PDR RID Report

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Document CSMS Requirements Spec (304-CD-003-001)

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RID ID PDR 203	
Review CSMS	
Originator Ref	
Priority 2	

Figure Table NA

Category Name Design-Segment-level **Actionee** HAIS

Sub Category

Subject CSS Directory Service and security requirements

Description of Problem or Suggestion:

The discussion paragraph of this section describes USER based security mechanisms but the following requirement (C-CSS-20080) is for HOST based security. This is clearly inconsistent. User based is preferable, although a generic notion of principal based security (principal = user, host. server, ...) is better still. It must be noted that DNS itself supports neither user nor host based security at the namespace entry and attribute level and that it would be very difficult to externally impose this functionality upon DNS. GDS and CDS do support.

Originator's Recommendation

Review and correct.

GSFC Response by: **GSFC Response Date**

HAIS Response by: Forman **HAIS Schedule** 2/28/95

HAIS R. E. N. Hota **HAIS Response Date** 2/28/95

In this section what is meant by Host based security is to use the regular UNIX based security for protecting the directory entries (read, write, execute permissions of the namespace file). Principal based security will be provided only for the CDS namespaces and a limited set of that (better than the host based security) for the GDS namespace. As mentioned in the description of the problem, it would be extremely difficult if not impossible to provide the principal based security in case of DNS. A new requirement has been added to state our intentions clearly that the principal based security will be provided only for the CDS namespace and an enhanced host based security for the GDS namespace.

Status **Closed** **Date Closed** **4/12/95** **Sponsor** **Broder**

****** **Attachment if any** ******